

METHOD AND SYSTEM FOR SELECTING A BEST  
CASE SET OF FACTORS FOR A CHEMICAL  
REACTION

ABSTRACT OF THE DISCLOSURE

[0047] A method selects a best case set of factor levels of a catalyzed chemical reaction by defining a chemical experimental space by a Latin square design and conducting a CHTS method to select a best case set of factor levels from the chemical experimental space. A system for investigating a catalyzed experimental space comprises a programmed controller that defines a catalyzed chemical experimental space according to a Latin square strategy and a reactor for effecting a CHTS method on the catalyzed chemical experimental space to produce results.